

ABSTRACT

Support structure for high frequency coaxial transmission line. A conductive
bead ring is split in two halves longitudinally, containing a relief for excess glass flow
5 and provision for locking the halves together. A glass dielectric surrounds the center
conductor, which is tapered from a first larger diameter to a second smaller diameter
in the region of the glass dielectric. A fixture for forming the glass to metal seal uses
dams to control the positioning of the glass with respect to the taper in the center
conductor.